Mortality Factor 4-Like Protein 1 (MORF4L1) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mortality factor 4-like protein 1 (MORF4L1), Recombinant Protein
Full Product Name	Recombinant Human Mortality factor 4-like protein 1 (MORF4L1)
Product Gene Name	MORF4L1 recombinant protein
Product Synonym Gene Name	MORF4L1
Sequence	MAPKQDPKPK FQEGERVLCF HGPLLYEAKC VKVAIKDKQV KYFIHYSGWN KKSAVRPRRS EKSLKTHEDI VALFPVPEGA PSVHHPLLTS SWDEWVPESR VLKYVDTNLQ KQRELQKANQ EQYAEGKMRG AAPGKKTSGL QQKNVEVKTK KNKQKTPGNG DGGSTSETPQ PPRKKRARVD PTVENEETFM NRVEVKVKIP EELKPWLVDD WDLITRQKQL FYLPAKKNVD SILEDYANYK KSRGNTDNKE YAVNEVVAGI KEYFNVMLGT QLLYKFERPQ YAEILADHPD APMSQVYGAP HLLRLFVRIG AMLAYTPLDE KSLALLLNYL HDFLKYLAKN SATLFSASDY EVAPPEYHRK AV
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	26,750 Da
Sequence Positions	1-362, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	607303
3D Structure	ModBase 3D Structure for Q9UBU8
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MORF4L1 recombinant protein	MBS1387429 is a recombinant protein targeting MORF4L1. Also known as Recombinant Human Mortality factor 4-like protein 1 (MORF4L1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MORF4L1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MORF4L1. It may not necessarily be applicable to this product.

NCBI GI #	388240812
NCBI GeneID	10933
NCBI Accession #	NP_001252532.1

UniProt Primary Accession #	Q9UBU8
UniProt Secondary Accession #	O95899; Q5QTS1; Q6NVX8; Q86YT7; Q9HBP6; Q9NSW5; B4DKN6; B7Z6R1; D3DW88
UniProt Related Accession #	Q9UBU8
GenBank Nucleotide #	NM_001265603.1
NCBI Official Full Name	mortality factor 4-like protein 1 isoform 3
NCBI Official Synonym Full Names	mortality factor 4 like 1
NCBI Official Symbol	MORF4L1
NCBI Official Synonym Symbols	Eaf3; MEAF3; MRG15; FWP006; S863-6; HsT17725; MORFRG15
UniProt Protein Name	Mortality factor 4-like protein 1
UniProt Synonym Protein Names	MORF-related gene 15 protein; Protein MSL3-1; Transcription factor-like protein MRG15
Protein Family	Mortality factor 4-like protein
UniProt Gene Name	MORF4L1
UniProt Synonym Gene Names	MRG15
NCBI Protein Information	mortality factor 4-like protein 1
UniProt Comments for MORF4L1	Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. The NuA4 complex ATPase and helicase activities seem to be, at least in part, contributed by the association of RUVBL1 and RUVBL2 with EP400. NuA4 may also play a direct role in DNA repair when directly recruited to sites of DNA damage. Also component of the mSin3A complex which acts to repress transcription by deacetylation of nucleosomal histones. Required for homologous recombination repair (HRR) and resistance to mitomycin C (MMC). Involved in the localization of PALB2, BRCA2 and RAD51, but not BRCA1, to DNA-damage foci.
Research Articles on MORF4L1	**1.** Both MRG15 CD and Pf1 PHD1 bind to their targets with >100 muM affinity.
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